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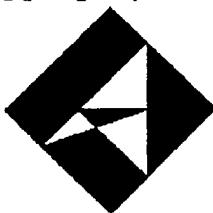
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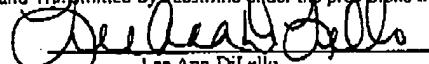
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## facsimile transmittance

To: Office of Initial Patent Examination Fax: 703-746-9195  
 From: Margaret Chappuis Date: January 19, 2004  
 E-mail: mchappuis@atmi.com Pages: 8 (including cover sheet)  
 Re: Filing Receipt Correction and Submission cc:  
 of Supplemental Declaration and Power  
 of Attorney in U.S. Serial No. 10/632,009

### FACSIMILE TRANSMISSION CERTIFICATE

It hereby is certified by the person identified below that this paper is being facsimile transmitted by such person to the Commissioner of Patents and Trademarks on the date specified, to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, and Transmitted by Facsimile under the provisions of 37 CFR 1.6(d).

  
 Lee Ann DiLello

January 19, 2004  
 Date of Transmission

703-746-9195  
 Facsimile Number

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### OFFICIAL COMMUNICATION

REQUEST FOR FILING RECEIPT CORRECTION AND  
 SUBMISSION OF SUPPLEMENTAL DECLARATION  
 AND POWER OF ATTORNEY IN  
 U.S. SERIAL NO. 10/632009

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Please find the following documents enclosed:

Transmittal Form (1 pg)  
 Request for Filing Receipt Correction  
 And Submission of Supplemental  
 Declaration/Power of Attorney (2 pgs)  
 Red-lined Version of Filing Receipt (2 pgs)  
 Supplemental Declaration and Power of Attorney (2 pgs)  
 Facsimile Transmission Sheet (1 pg)

Please call 203-794-1100 ext. 4179 if there are any problems with this transmittal.

ATMI, Inc.  
 7 Commerce Drive  
 Danbury, CT 06810  
 203-794-1100 (telephone)  
 203-797-2544 (facsimile)  
 ATMI Docket: ATM-537-CIP

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/632,009
		Filing Date	July 31, 2003
		First Named Inventor	Chongying Xu, et al.
		Group Art Unit	2812
		Examiner Name	TBA
Total Number of Pages in This Submission		Attorney Docket Number	ATMI-537-CIP

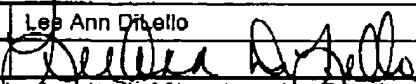
<b>ENCLOSURES (check all that apply)</b>			
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			<input type="checkbox"/> After Allowance Communication to Group
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			<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
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			<input type="checkbox"/> Status Letter
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			<input type="checkbox"/> Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Margaret Chappuis, Reg. No. 45,735		
Signature			
Date	January 19, 2004		

**CERTIFICATE OF FACSIMILE (703) 746-9195**

I hereby certify that this correspondence is being deposited pursuant to 37 C.F.R. 1.6(d) in an envelope addressed to:  
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Type or printed name	Lea Ann DiBello		Date	1/19/2004
Signature				

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**ATMI-537-CIP**

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re application of: Chongying Xu, et al.

Application No.: 10/632,009 Customer No. 25559

Filed: July 31, 2003 Examiner: TBA

Group Art Unit: 2812

Title: **SUPERCritical FLUID-ASSISTED DEPOSITION OF MATERIALS  
ON SEMICONDUCTOR SUBSTRATES**

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**CERTIFICATE OF FACSIMILE**

I hereby certify that this document is being deposited pursuant to 37 C.F.R. 1.6(d) on the date indicated below and is addressed to: Filing Receipt Corrections, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, to facsimile No. 703-746-9195

Lee Ann DiLello

Name of Person Mailing Document



Signature

January 19, 2004

Date

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**REQUEST FOR FILING RECEIPT CORRECTION AND SUBMISSION OF  
SUPPLEMENTAL DECLARATION AND POWER OF ATTORNEY IN U.S.  
APPLICATION 10/632,009**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed and submitted herewith is a red-lined version of the Filing Receipt and a Supplemental Declaration and Power of Attorney for the above identified application.

In reviewing the Filing Receipt dated October 29, 2003, Applicant noticed that inventor Michael Korzenski's city and state of residence were omitted. Applicants further noticed that the Declaration and Power of Attorney filed on July 31, 2003 also omitted Michael Korzenski's residence.

Furthermore, the original Declaration and Power of Attorney did not claim benefit to prior U.S. applications.

Accordingly, the enclosed red-lined version of the Filing Receipt and Supplemental Declaration and Power of Attorney serve to provide the previously omitted information. Applicant respectfully requests that the originally filed Declaration and Power of Attorney be replaced with the enclosed Supplemental Declaration and Power of Attorney and issuance of a corrected Filing Receipt.

Applicant does not believe that any fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,



Margaret Chappuis  
Registration No. 45,735  
Agent for Applicant

ADVANCED TECHNOLOGY MATERIALS, INC.  
7 Commerce Drive  
Danbury, CT 06810  
Phone: 203-794-1100  
Attorney Ref No.: 537 CIP

**SUPPLEMENTAL DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below-named inventor, Chongying Xu, Thomas H. Baum, Michael B. Korzenski, do hereby declare that my residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled " \_\_\_\_\_", the specification of which

(check one)  is attached hereto.  
 was filed on July 31, 2003 as Application Serial No. 10/632,009  
 and was amended \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**Prior Foreign Application(s)**

(Number)	(Country)	(Day/Month/Year Filed)	Priority Claimed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this specification is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

10/303,479	11/25/2002	Pending
60/345,738	12/31/2001	Abandoned
(Application Number)	(Filing Date)	(Status-Patented, Pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

**WILLIAM RYANN, Reg. No. 44,313  
 STEVEN J. HULTQUIST, Reg. No. 28,021  
 MARGARET CHAPPUIS, Reg. No. 45,735**

All correspondence in connection with this application should be sent to:

**William F. Ryan**  
ATMI, Inc.  
7 Commerce Drive  
Danbury, CT 06810  
Telephone: (203) 794-1100

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of first inventor: Chongying Xu

Inventor's Signature Chongying Date 01-13-04

Residence: 8 Heather Court, New Milford, CT 06776

Citizenship: U.S.A.

Post Office Address:

(if different from  
Residence Address)

Full Name of second inventor: Thomas H. Baum

Inventor's Signature Thomas H. Baum Date 1-13-04

Residence: 2 Handol Lane, New Fairfield, CT 06812

Citizenship: U.S.A.

Post Office Address:

(if different from  
Residence Address)

Full Name of third inventor: Michael B. Kerzenski

Inventor's Signature Michael B. Kerzenski Date 1/13/04

Residence: 10 Clapboard Ridge Road, Apt. 38K, Danbury, CT 06811

Citizenship: U.S.A.

Post Office Address:

(if different from  
Residence Address)



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/632,009	07/31/2003	2812	2586	ATMI-537-CIP		108	6

25559  
 ATMI, INC.  
 7 COMMERCE DRIVE  
 DANBURY, CT 06810

CONFIRMATION NO. 9371

## FILING RECEIPT



\*OC000000011127933\*

Date Mailed: 10/29/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Chongying Xu, New Milford, CT;  
 Thomas H. Baum, New Fairfield, CT;  
 Michael B. Korzenksi, Residence Not Provided, -- Danbury, CT

## Domestic Priority data as claimed by applicant

This application is a CIP of 10/303,479 11/25/2002 ✓  
 which claims benefit of 60/345,738 12/31/2001 ✓

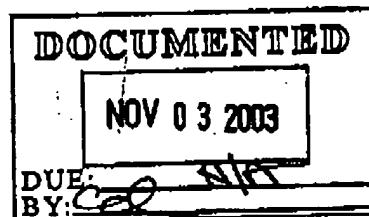
## Foreign Applications

If Required, Foreign Filing License Granted: 10/28/2003

Projected Publication Date: 02/05/2004

Non-Publication Request: No

Early Publication Request: No



## Title

Supercritical fluid-assisted deposition of materials on semiconductor substrates

Preliminary Class

438

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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